

ABSTRACT

A system and method for increasing payload in a data transmission system. In architecture, the system comprises a modulation device configured to modulate data bins to produce bin-clusters, a mechanism to load the bin-clusters with data, a transmitter configured to transmit the loaded bin-clusters, a receiver configured to receive the transmitted bin-clusters, and a demodulation device configured to extract data from the received bin-clusters.

The method steps comprise the steps of modulating data bins to produce bin-clusters, loading the bin-clusters with data, transmitting the loaded bin-clusters, receiving the transmitted bin-clusters, and extracting data from the received bin-clusters.